



The Faisca F6 is an intelligent, ultra high-output marker light with a simple yet elegant design. that allows for easy and rapid installation. The plug and play electrical connections enhance the quick and easy installation process by preventing incorrect connections. Leader cables of up to 164 ft (50 m) give greater flexibility during installation as power supplies and control equipment can be housed well away from the luminaires. High-quality LEDs achieve high-intensity beautiful, rich and vibrant colors. From highlighting architectural elements to super-smooth crossfades and color flows.

Performance

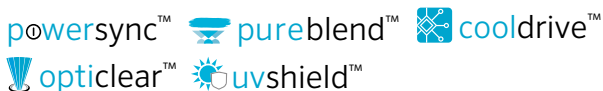
Static White & Color	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
● 2,700 K (80 CRI)	2,270	123	1,490	82
● 3,000 K (80 CRI)	2,440	133	1,610	89
○ 3,500 K (80 CRI)	2,440	133	1,610	89
● 4,000 K (80 CRI)	2,840	154	1,870	103
● 5,000 K (80 CRI)	2,630	143	1,730	96

Dynamic Color	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
● RGBA	-	-	-	-
● RGBW with Royal Blue	1,330	75	880	50

Tunable White	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
● 2,700 K - 6,500 K	2,450	133	1,610	89

* Note:

The default RGBW colors have recently changed to the RGBW with Royal Blue (4BW code). These colors will not match existing products with the earlier RGBW with Mid-Blue (4CW code). Contact Lumascape for custom LED Colors.



Products and specifications are subject to change without notice. LS9260-211122

Electrical

LED Power	16 W
Optics	Transparent Flat Lens or Diffused Domed with PureBlend Lens
Power Consumption	≤20 W
Lifetime (L70)	> 60,000 hrs (B10, L70, TM21)
Input Voltage	30-48 Vdc
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Control

Interface	Lumascap PowerSync™
Protocols ¹	DMX/RDM, Artnet, PWM ² , sACN, 0 - 10 V (sink or source) ²
PWM Frequency	2 kHz flicker-free dimming to 0.1%
RDM Functionality	PowerSync enabled Lumascap luminaires are shipped with a default RDM personality which provides smooth dimming control. For different dimming characteristics or to enable other special functionalities, the default personality can be changed through industry standard DMX/RDM.
Systems	Range of third-party controllers

¹ Some protocols require additional hardware. For more information and other available protocols contact Lumascap.

² Not available for color-changing or tunable white.

Physical

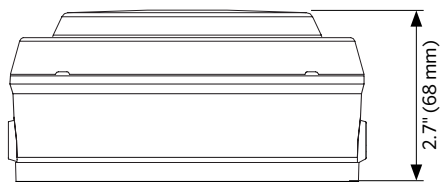
Housing	Marine-grade die-cast aluminum with UV protected and stabilized polymer diffuser
Finish	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top coat
Installation	Surface-mounted
Ambient Operating Temperature	-40° F to 122° F (-40° C to 50° C)
Surface Temperature	≤122° F (50° C)
Weight	3.5 lbs (1.6 kg)
Effective Projected Area	Flat Lens; 0.09 ft ² (84.5 cm ²) Dome Lens; 0.11 ft ² (106 cm ²)

Certification & Compliance

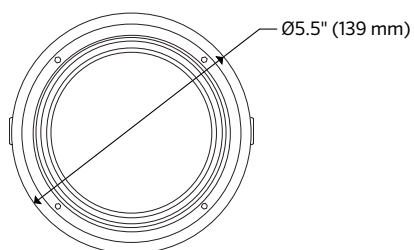
IP Rating	IP66 / IP67 (Passes IP68 Test)
IK Rating	IK10
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE, RCM, FCC

Dimensions

Transparent Flat Lens

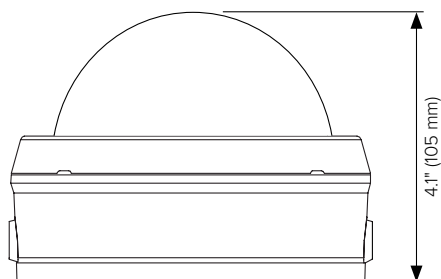


Front View

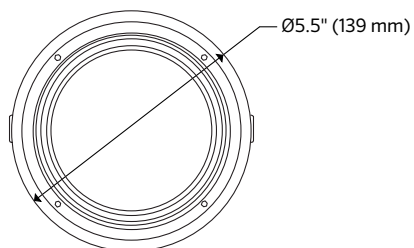


Top View

Diffused Dome Lens



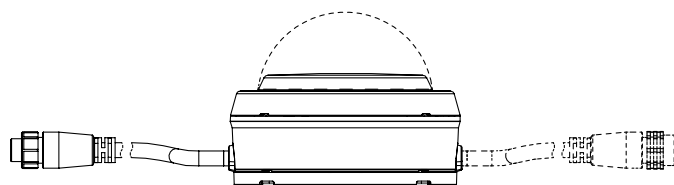
Front View



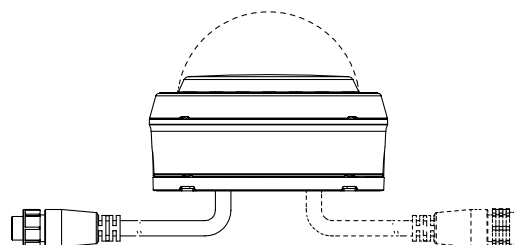
Top View

Luminaire Connection Type

Connectorized



Side Entry



Bottom Entry

Accessories

Junction Box

For use with Connection Type '82' (hookup wire) and is ordered separately.

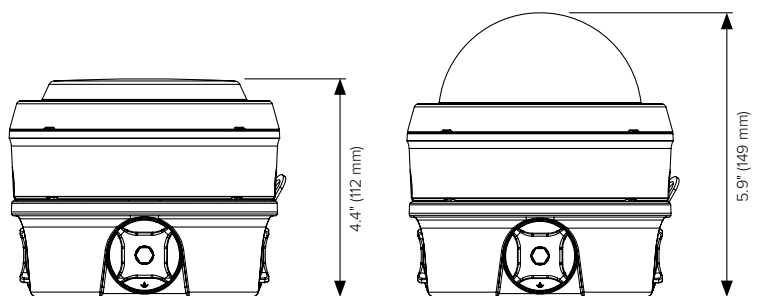
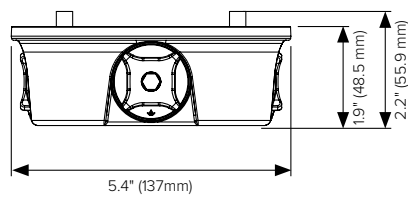
Available in North America Only.



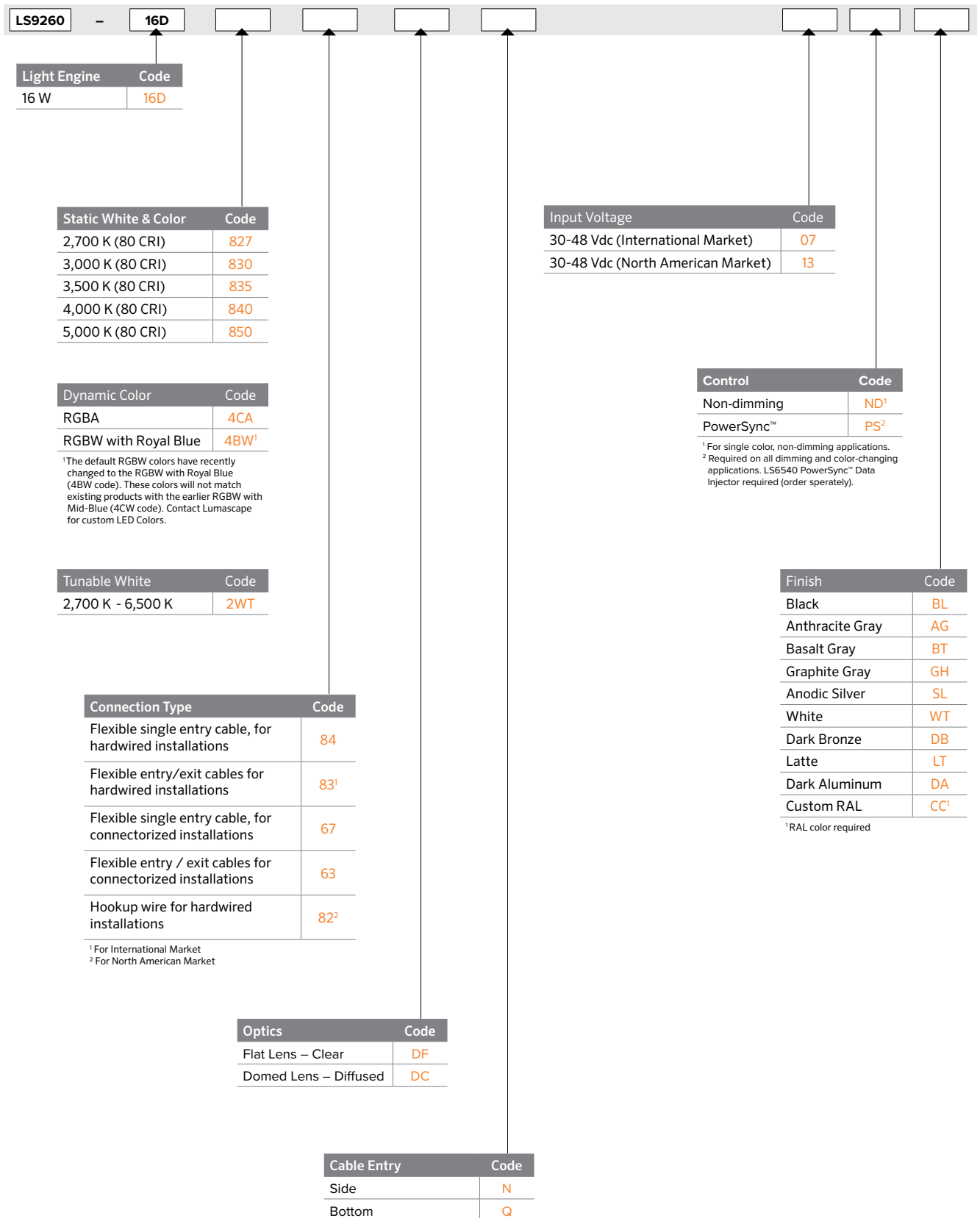
Specification Matrix

LS6327	
Product	Code
UL Junction Box	LS6327

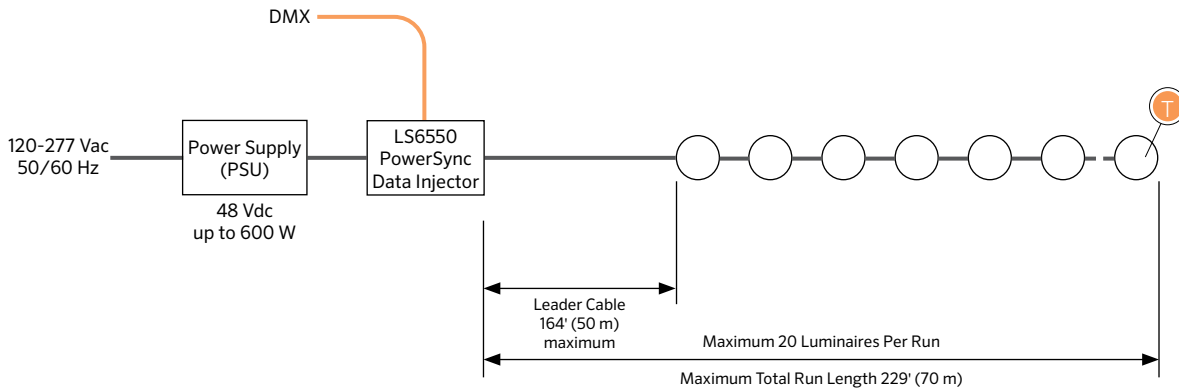
Technical Drawings



Specification Matrix



Network Topology - PowerSync™ Low Voltage



- T Terminator**
Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.
- I Maximum Current**
Maximum current through cables and connectors supplied by Lumascape:
≤12.8 A - Installations in North American Market (UL, ETL)
≤16 A - Installations in International Market (CE, CCC)
- Connection Type**
Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Up to 20 luminaires per 48 V PowerSync™ circuit / LS6550 Low Voltage PowerSync Data Injector

Maximum Circuit Loading - Single Run						
LED Power	Max Leader Cable Length from LS6550 to first luminaire	Maximum number of luminaires per 48 V Power Supply				
		120 W	240 W	320 W	480 W	600 W
20 W	50' / 15 m	4	9	12	17	20
	98' / 30 m	4	9	11	16	18
	164' / 50 m	4	8	10	14	15

Values in the above table show the maximum circuit loading per 48 V circuit. Values are based on 4.0' (1.2 m) spacing. Smaller spacing may effect the circuit loading. Extended fixture cables, inclusion of jumper cables, or longer leader cable will effect loading. Circuits can be made up of up to 20 luminaires, up to the maximum circuit loading in the table above. Circuits are limited to maximum 12.8 A. For non-continuous runs, contact Lumascape for details.

Connectorized Accessories

Leader Cables – PowerSync™ Extra Low Voltage (For Connection Type 63)

3-core 16 AWG / 1.5mm² for use in CE/CCC and UL installations. Compatible with all luminaires with Type 63 connectorized supply cable option. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync™4, Low Voltage circuit. Comes complete with a matching End of Circuit, Powersync™4, extra low voltage terminator plug.

LS6426		-		
Cable Type	Code	Control Type	Code	Length
1.5 mm ²	LS6426	Non-Dimmable	ND	10 ft (3 m)
		PowerSync	PS	16 ft (5 m)
				50 ft (15 m)
				66 ft (20 m)
				98 ft (30 m)

NOTE:
Leader cable ships with one (1) connectorized **LS6437** PowerSync™ terminator.

Jumper Cables – PowerSync™ Extra Low Voltage (For Connection Type 63)

3-core 16 AWG / 1.5 mm² for use in CE/CCC and UL installations. Compatible with all Luminaires with Type 63 connectorized supply cable option. Supplied fitted with IP68 connectors for joining between connectorized luminaires in a Powersync™4, extra low voltage circuit.

LS6427		-	
Cable Type	Code	Length	Code
1.5 mm ²	LS6427	1 ft (0.3 m)	001
		2 ft (0.6 m)	002
		3 ft (1 m)	003
		6 ft (2 m)	006
		16 ft (5 m)	016
		33 ft (10 m)	033
		50 ft (15 m)	050
		66 ft (20 m)	066
		98 ft (30 m)	098

Connectorized Accessories

Terminator (Hardwired Installation)

Used in hardwired PowerSync™ installations.


Terminator	Code
Terminator Connectorized, Extra Low Voltage (CCC, CE, UL)	LS6437

PowerSync™ Data Injector

Translates control signals into a digital format, delivering integral power and data to intelligent LED luminaires. This allows highly-granular addressing and high-speed digital control of every luminaire, using only three wires. The data injector is DIN rail mountable designed to be installed in a switchboard, next to the power supply and circuit breaker that is supplying power to the controlled lighting circuit. Accepts a growing list of standard protocols (0-10 V, DMX/RDM) for simple integration with a wide selection of control systems using these industry standard protocols.

Product	Code
Data Injector PS4	LS6550

LS6550



Note:

PowerSync Data Injector ships with three (3) hardwired terminators and one (1) hardwired DMX terminator.

Fixture Colors & Wiring Designations

Low Voltage

Designation	Color
+ DC	Red
- DC	Black
Data	Orange

